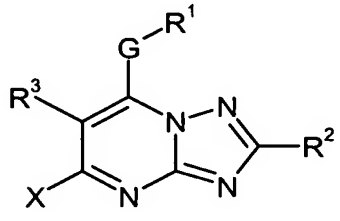
Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently amended) ~~Triazolopyrimidines~~ A compound of the formula



(I)

in which

R^1 represents optionally substituted alkyl, optionally substituted alkenyl, optionally substituted alkynyl, optionally substituted cyloalkyl or optionally substituted heterocyclyl,

R^2 represents a hydrogen, halogen, optionally substituted alkyl or optionally substituted cycloalkyl,

R^3 represents optionally substituted ~~heterocyclyl~~ heterocyclyl,

G represents oxygen or SO_n, wherein

n is 0, 1 or 2,

and

X represents halogen, cyano, optionally substituted alkyl, optionally substituted alkoxy, optionally substituted alkylthio, optionally substituted alkylsulphinyl or optionally substituted alkylsulphonyl.

2. (Currently amended) ~~The triazolopyrimidines~~ A compound of the formula (I) according to claim 1, in which

R^1 represents alkyl with 1 to 6 carbon atoms which can be identically or differently substituted between one and five times, by halogen, cyano, hydroxy, alkoxy with 1 to 4 carbon atoms ~~and/or~~ or cycloalkyl with 3 to 6 carbon atoms, or

R^1 represents alkenyl with 2 to 6 carbon atoms which can be identically or differently substituted between one and three times, by halogen, cyano, hydroxy, alkoxy with 1 to 4 carbon atoms ~~and/or~~ or cycloalkyl with 3 to 6 carbon atoms, or

R^1 represents alkynyl with 3 to 6 carbon atoms which can be identically or differently substituted between one and three times, by halogen, cyano, hydroxy, alkoxy with 1 to 4 carbon atoms ~~and/or~~ or cycloalkyl with 3 to 6 carbon atoms, or

R^1 represents cycloalkyl with 1 to 6 carbon atoms which can be identically or differently substituted between one and three times, by halogen ~~and/or~~ or alkyl with 1 to 4 carbon atoms, or

R^1 represents saturated or unsaturated heterocyclyl with 5 or 6 ring members and 1 to 3 heteroatoms ~~such as~~ selected from the group consisting of nitrogen, oxygen ~~and/or~~ and sulphur, wherein the heterocyclyl can be substituted once or twice by halogen, alkyl with 1 to 4 carbon atoms, cyano and/or cycloalkyl with 3 to 6 carbon atoms,

R^2 represents hydrogen, fluorine, chlorine, bromine, iodine, alkyl with 1 to 4 carbon atoms, haloalkyl with 1 to 4 carbon atoms and 1 to 9 halogen atoms or cycloalkyl with 3 to 6 carbon atoms,

R^3 represents saturated or unsaturated heterocyclyl with 5 or 6 ring members and 1 to 4 heteroatoms ~~such as~~ selected from the group consisting of nitrogen, oxygen ~~and/or~~ and sulphur, wherein the heterocyclyl can be identically or differently substituted between one and four times by fluorine, chlorine, bromine, cyano, nitro, alkyl, alkoxy, hydroximinoalkyl or alkoximinoalkyl with respectively 1 to 3 carbon atoms per part alkyl, haloalkyl or haloalkoxy with respectively 1 to 3 carbon atoms and 1 to 7 halogen atoms

G represents oxygen or SO_n, wherein

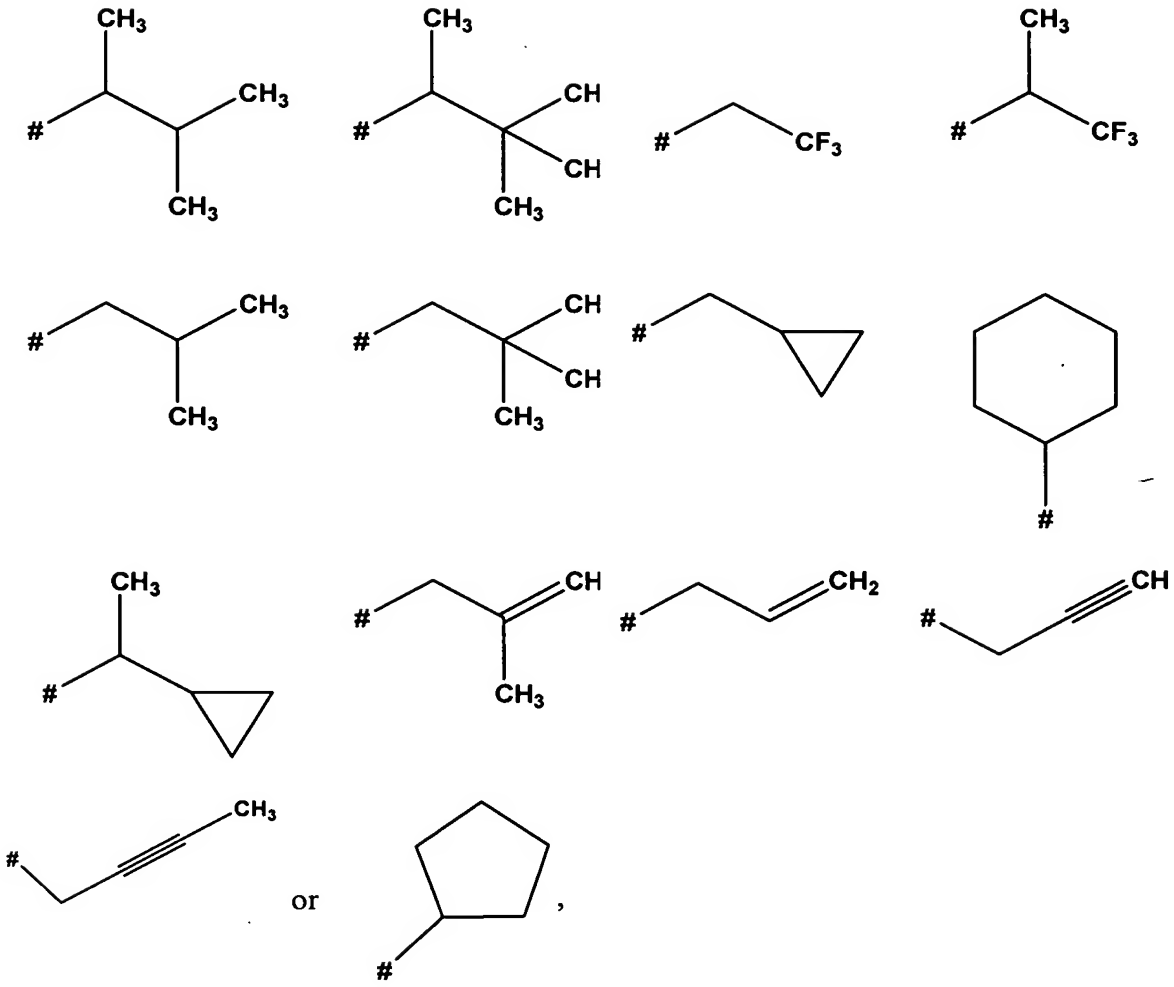
n is 0, 1 or 2,

and

X represents fluorine, chlorine, bromine, cyano, alkyl with 1 to 4 carbon atoms, alkoxy with 1 to 4 carbon atoms, alkyl sulphinyl with 1 to 4 carbon atoms or alkyl sulphonyl with 1 to 4 carbon atoms.

3. (Currently amended) ~~The triazolopyrimidines~~ A compound of formula (I) according to claim 1 ~~or claim 2~~, in which

R^1 represents a residue of the formula



where # marks the linking point,

R^2 represents hydrogen, fluorine, chlorine, bromine, iodine, methyl, ethyl, isopropyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, trifluoromethyl, 1-trifluoromethyl-2,2,2-trifluoroethyl or heptafluorisopropyl,

R^3 represents pyridyl which is linked in the 2- or 4-position and can be identically or differently substituted between one and four times by fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio,

hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl ~~and/or~~ or trifluoromethyl, or

R^3 represents pyrimidyl which is linked in the 2- or 4-position and can be identically or differently substituted between one and three times by fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl ~~and/or~~ or trifluoromethyl, or

R^3 represents thienyl which is linked in the 2- or 3-position and can be identically or differently substituted between one and three times by fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl ~~and/or~~ or trifluoromethyl, or

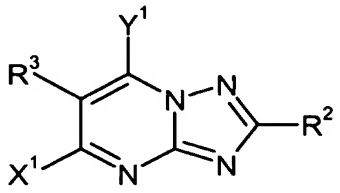
R^3 represents thiazolyl which is linked in the 2- , 4- or 5-position and can be identically or differently substituted once or twice by fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl and/or trifluoromethyl,

G represents oxygen or sulphur and

X represents fluorine, chlorine, bromine, cyano, methyl, methoxy or methylthio.

4. (Currently amended) A method for producing triazolopyrimidines of formula (I) according to ~~one or more of claims 1 to 3, characterised in that~~ claim 1, comprising

(a) ~~dihalogentriazolopyrimidines~~ reacting a compound of the formula



(II)

in which

R^2 and R^3 have the meanings given in claim 1,

X^1 represents halogen and

Y1 represents halogen,

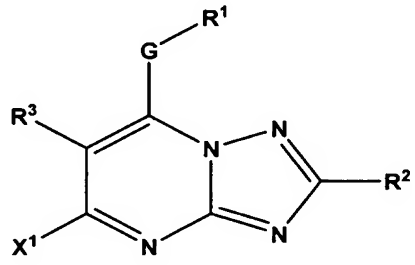
~~are reacted~~ with compounds of the formula

$$R^1\text{-G-H} \qquad \text{(III)}$$

in which

R^1 and G have the meanings specified in claim 1,

optionally in the presence of a diluent, optionally in the presence of an acid acceptor and optionally in the presence of a catalyst and optionally the ~~triazolopyrimidines~~ compound thus obtained of the formula



(Ia)

in which

R^1, R^2, R^3, G and X^1 have the meanings specified above,

are either reacted

~~α)~~

a) with compounds of the formula

$$R^4\text{-Me} \qquad \text{(IV)}$$

in which

R^4 ~~represent~~ represents optionally substituted alkoxy, optionally substituted alkylthio, optionally substituted alkylsulphinyl, optionally substituted alkylsulphonyl or cyano and

Me represents sodium or potassium,

optionally in the presence of a catalyst,

or

~~β)~~

b) with ~~Grignard~~ compounds of the formula

$$R^5\text{-MgHal} \qquad \text{(V)}$$

in which

R^5 represents optionally substituted alkyl and

Hal represents chlorine or bromine,

in the presence of a diluent.

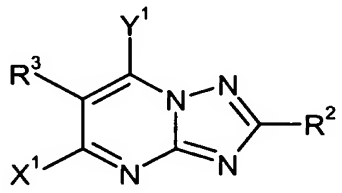
5. (Currently amended) ~~Means~~ A composition useful for combating undesirable micro-organisms, ~~characterised in that it contains of~~ comprising at least one ~~triazolopyrimidine~~ compound of formula (I) according to ~~one or more of claims 1 to 3~~ claim 1 in addition to extenders and/or surfactants.

6. (Cancelled).

7. (Currently amended) A method for combating undesirable micro-organisms, ~~characterised in that triazolopyrimidines~~ comprising contacting one or more compounds of formula (1) according to ~~one or more of claims 1 to 3 are applied to~~ claim 1 with the undesirable micro-organisms and/or their habitat.

8. (Currently amended) A method for preparing the composition of claim 5, comprising contacting one or more said compounds ~~producing means for combating undesirable micro-organisms, characterised in that triazolopyrimidines~~ of formula (I) ~~according to one or more of claims 1 to 3 are mixed~~ with extenders and/or surfactants.

9. (Currently amended) ~~Dihalogen-triazolopyrimidines~~ A compound of the formula



(II)

in which

R^2 represents hydrogen, halogen, optionally substituted alkyl or optionally substituted cycloalkyl,

R^3 represents optionally substituted heterocyclyl,

X^1 represents halogen and

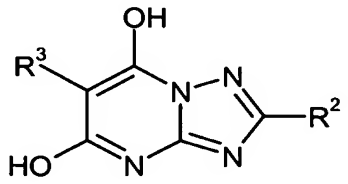
~~Y1~~

Y^1 represents halogen.

10. (Currently amended) A method for producing ~~dihalogen-triazolopyrimidines~~ a compound of formula (II) according to claim 9, ~~characterised in that~~ comprising contacting

~~(b) dihydroxy-triazolo-pyrimidines of the formula~~

(a) a compound of the formula



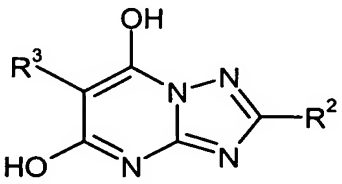
(VI)

in which

R^2 and R^3 have the meanings given in claim 9,

~~are reacted~~ with halogenating agents, optionally in the presence of a diluent.

11. (Currently amended) ~~Dihydroxy-triazolo-pyrimidines~~ A compound of the formula



(VI)

in which

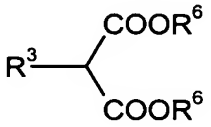
R^2 represents hydrogen, halogen, optionally substituted alkyl or optionally substituted cycloalkyl and

R^3 represents optionally substituted heterocyclyl.

12. (Currently amended) A process for preparing ~~dihydroxy-triazolo-pyrimidines~~ a compound of formula (VI) according to claim 11, ~~characterised in that~~ comprising contacting

~~(c) heterocyclyl malonic esters of the formula~~

(a) a compound of the formula



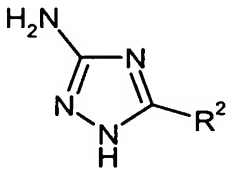
(VII)

in which

R^3 has the meaning specified in claim 11 and

R^6 represents alkyl with 1 to 4 carbon atoms,

~~are reacted~~ with ~~aminotriazoles~~ a compound of the formula



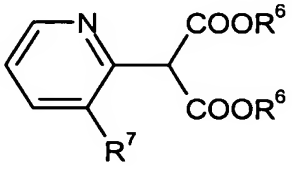
(VIII)

in which

R^2 has the meaning given in claim 11,

optionally in the presence of a diluent and optionally in the presence of an acid binder.

13. (Currently amended) A ~~pyridyl malonic ester~~ compound of the formula



(VII-a)

in which

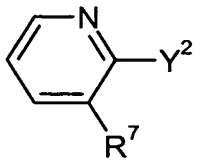
R^6 represents alkyl with 1 to 4 carbon atoms and

R^7 represents halogen or haloalkyl.

14. (Currently amended) A process for preparing ~~pyridyl malonic esters~~ a compound of formula (VII-a) according to claim 13, ~~characterised in that~~ comprising reacting

~~(d) pyridine halides of the formula~~

(a) a compound of the formula



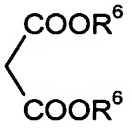
(IX)

in which

R^7 has the meaning specified in claim 13 and

Y^2 represents halogen,

~~are reacted~~ with ~~malonic esters~~ a compound of the formula



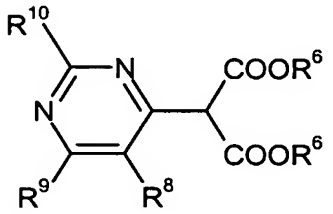
(X)

in which

R^6 has the meaning specified in claim 13,

optionally in the presence of a diluent, optionally in the presence of a copper salt and optionally in the presence of an acid acceptor.

15. (Currently amended) A ~~pyrimidyl malonic ester~~ compound of the formula



(VII-b)

in which

R^6 represents alkyl with 1 to 4 carbon atoms,

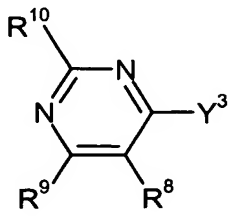
R^8 represents halogen or haloalkyl and

R^9 and R^{10} independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or methoxy.

16. (Currently amended) A process for preparing ~~pyrimidyl malonic esters~~ a compound of formula (VII-b) according to claim 15, ~~characterised in that~~ comprising reacting

~~(c) pyrimidine halides of the formula~~

(a) a compound of the formula



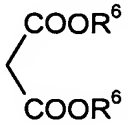
(XI)

in which

R^8, R^9 and R^{10} have the meanings specified in claim 15 and

Y^3 represents halogen,

~~are reacted~~ with ~~malonic esters~~ a compound of the formula



(X)

in which

R^6 has the meaning specified in claim 15,

optionally in the presence of a diluent, optionally in the presence of a copper salt and optionally in the presence of an acid acceptor.